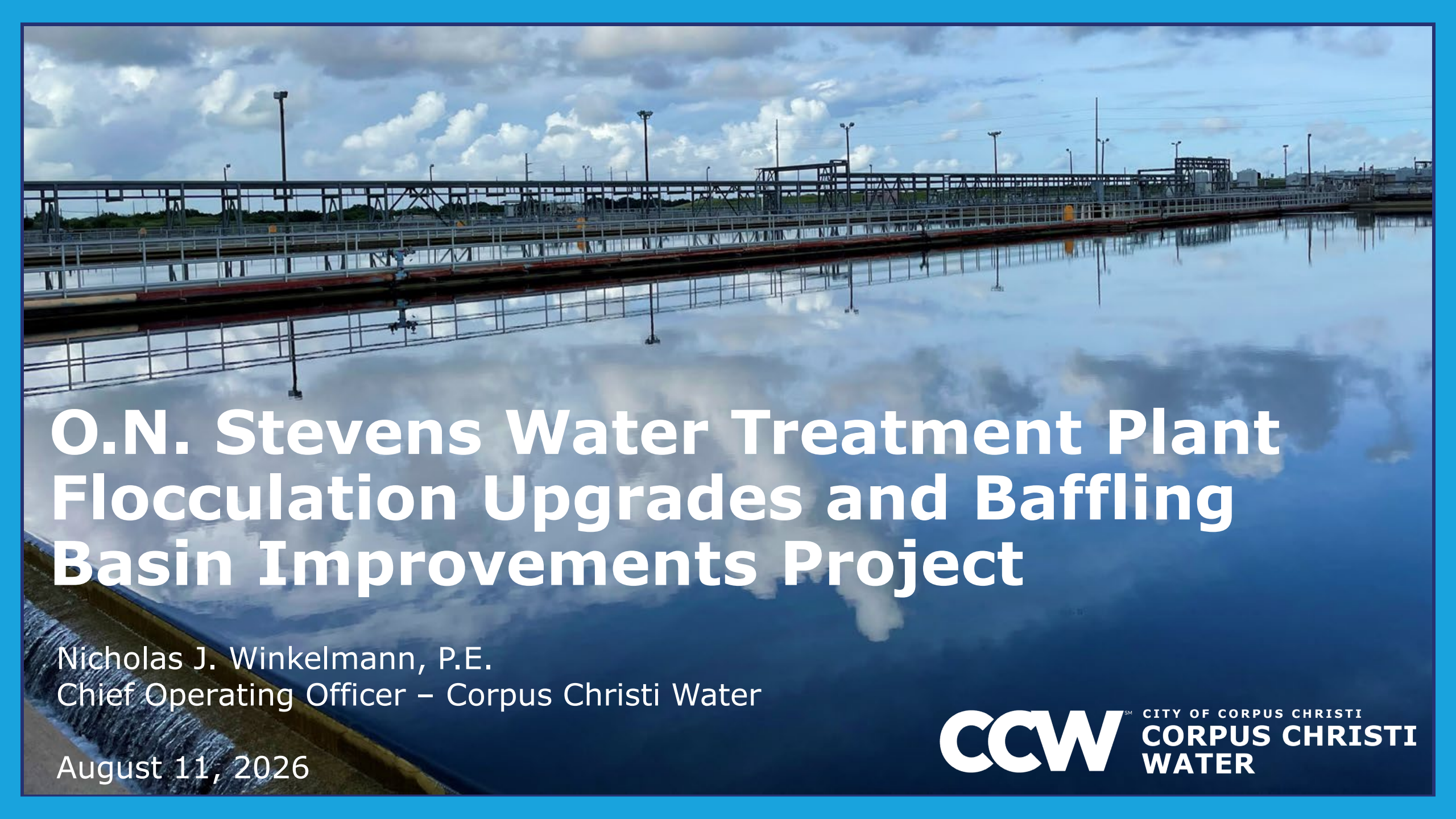




O.N. Stevens Water Treatment Plant Flocculation Upgrades and Baffling Basin Improvements Project

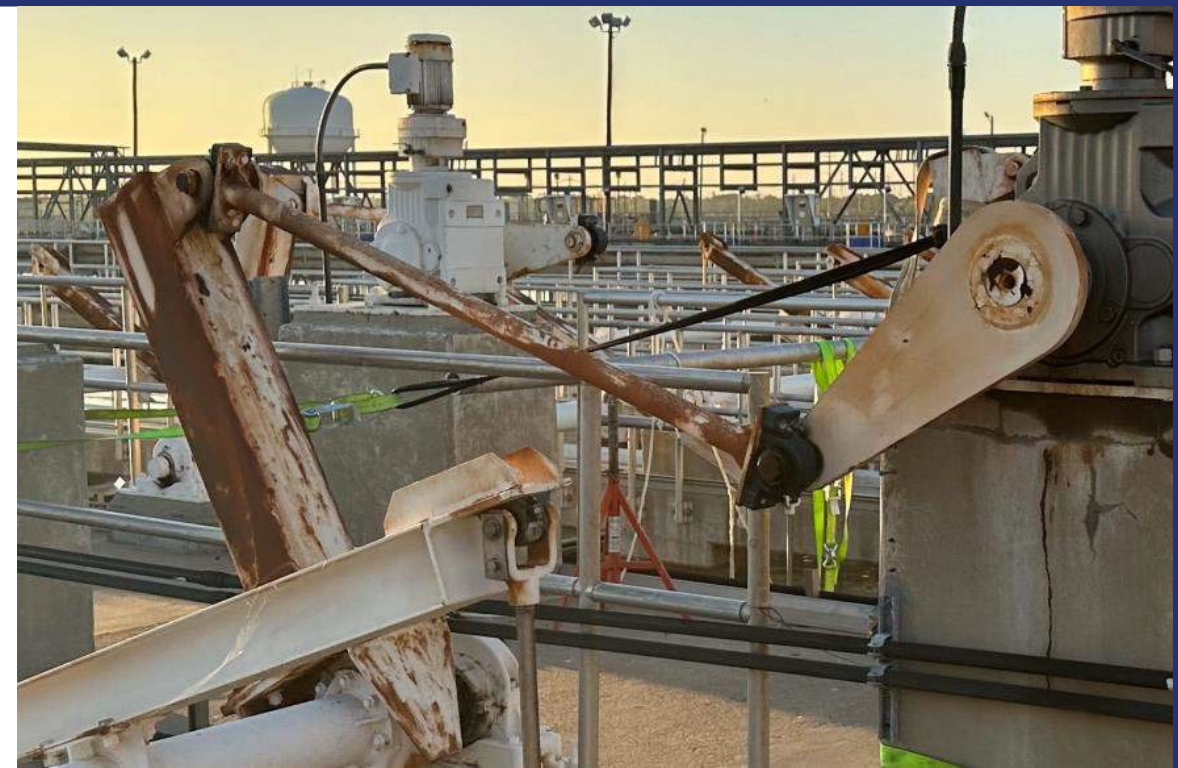
Nicholas J. Winkelmann, P.E.
Chief Operating Officer – Corpus Christi Water

August 11, 2026

CCWSM CITY OF CORPUS CHRISTI
**CORPUS CHRISTI
WATER**

Background

- This project is part of the strategic plan to increase the ONSWTP treatment capacity from 161.5 MGD to 200 MGD
- During the water treatment process, flocculators help small particles coagulate into larger clumps (flocs) that settle so they can be filtered out
- Plant 1 currently has walking beam flocculators installed in Sedimentation Basins 1 and 2
- The flocculators were installed in 1998 and have exceeded their useful service life, thus they are unreliable and require extensive maintenance which causes operational issues
- This project is necessary to upgrade the existing infrastructure because the walking beam flocculators are unable to provide adequate mixing to form stable floc at increased flows



Walking beam flocculator rotating arm corrosion

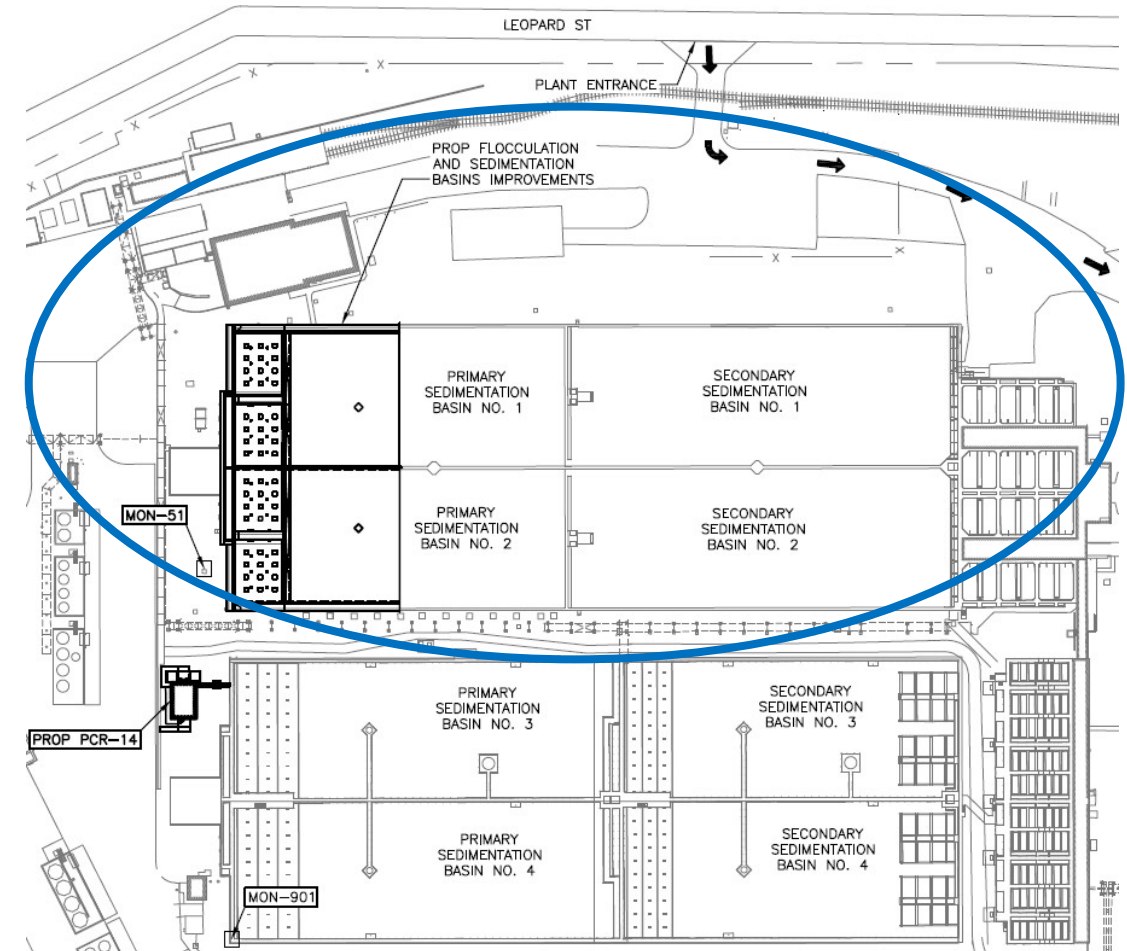


Corrosion on multiple flocculator arms

Project Overview

This project will upgrade the existing flocculators and add secondary baffle walls in Basins 1 and 2

- Scope of Work
 - Demolition of existing walking beam flocculators and installation of new vertical turbine mixers to support optimal floc formation and settling
 - Addition of stainless-steel baffle walls in the secondary sedimentation basins to improve flow distribution and water quality
 - Construction of a new power control room electrical building, sludge piping and valve modifications, and comprehensive site, structural, electrical, and instrumentation improvements
- The treatment system upgrades are designed to meet federal and state drinking water standards, including TCEQ requirements for detention time
- The project will improve treatment process performance, provide ease of maintenance, and support increased operational reliability



Project Timeline

2023 - 2026	2026	2026 - 2030
July - March	April - August	October - January
Design	Bid/Award	Construction

Project schedule reflects City Council award in August 2026 with anticipated construction completion by January 2030

Staff Recommendation

- Staff recommends awarding the construction contract to Reytec Construction Resources, Inc. of Houston, Texas for the ONSWTP Flocculation Upgrades and Baffling Basin 1 and 2 project in the amount of \$19,039,000.00 and authorizing the professional services contract amendment with Hazen and Sawyer in the amount of \$223,071.18 for construction phase services
- The fiscal impact in FY 2026 is an amount of \$223,071.18 for the professional services contract amendment and \$4,000,000.00 for the construction contract with funding available from the Water Capital Fund
- The remaining funds for construction will be incurred in FY 2027, FY 2028, and FY 2029 in an amount of \$15,039,000.00

